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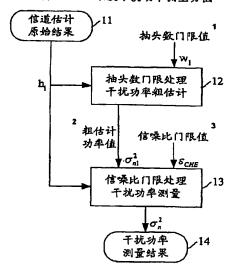
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(54) Title: A INTERFERENCE POWER DETECTION METHOD IN TIME-SLOT CDMA SYSTEM

(54) 发明名称: 时隙CDMA系统干扰功率测量方法



- TAP NUMBER THRESHOLD
- ESTIMATION POWER VALUE 3...
- SIGNAL-NOISE RATIO THRESHOLD 11... **CHANNEL ESTIMATION PRIMARY RESULT**
- TAP NUMBER THRESHOLD PROCESSING INTERFERENCE POWER ESTIMATION 12..
- SIGNAL-NOISE RATIO THRESHOLD PROCESSING INTERFERENCE POWER DETECTION
- INTERFERENCE POWER DETECTION RESULT

(57) Abstract: The present invention relates to a interference power detection method in time-slot CDMA system, the method is proposed by some applications in time-slot CDMA system, particularly in a downlink receiving device. Comprising: Doing a channel estimation to input received signal using Midamble Code to obtain a primary channel response estimation result h; Giving tap number threshold W1, extracting the estimation result of W1 tap's; channel response having lower power as a estimation result of interference power, from the primary channel response estimation result h, according to W1; Using the interference power estimation result and a given signal-noise ratio threshold, doing a threshold processing to the primary channel response estimation result by means of signalnoise ratio threshold postprocessing method; Before the threshold processing, compensating the error possibly generated by the interference power estimation, and doing a threshold processing using compensated power threshold to obtain a precision detection result. The method may provide a reliable detection to interference power in time-slot CDMA system without idle channel estimation windows information.

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